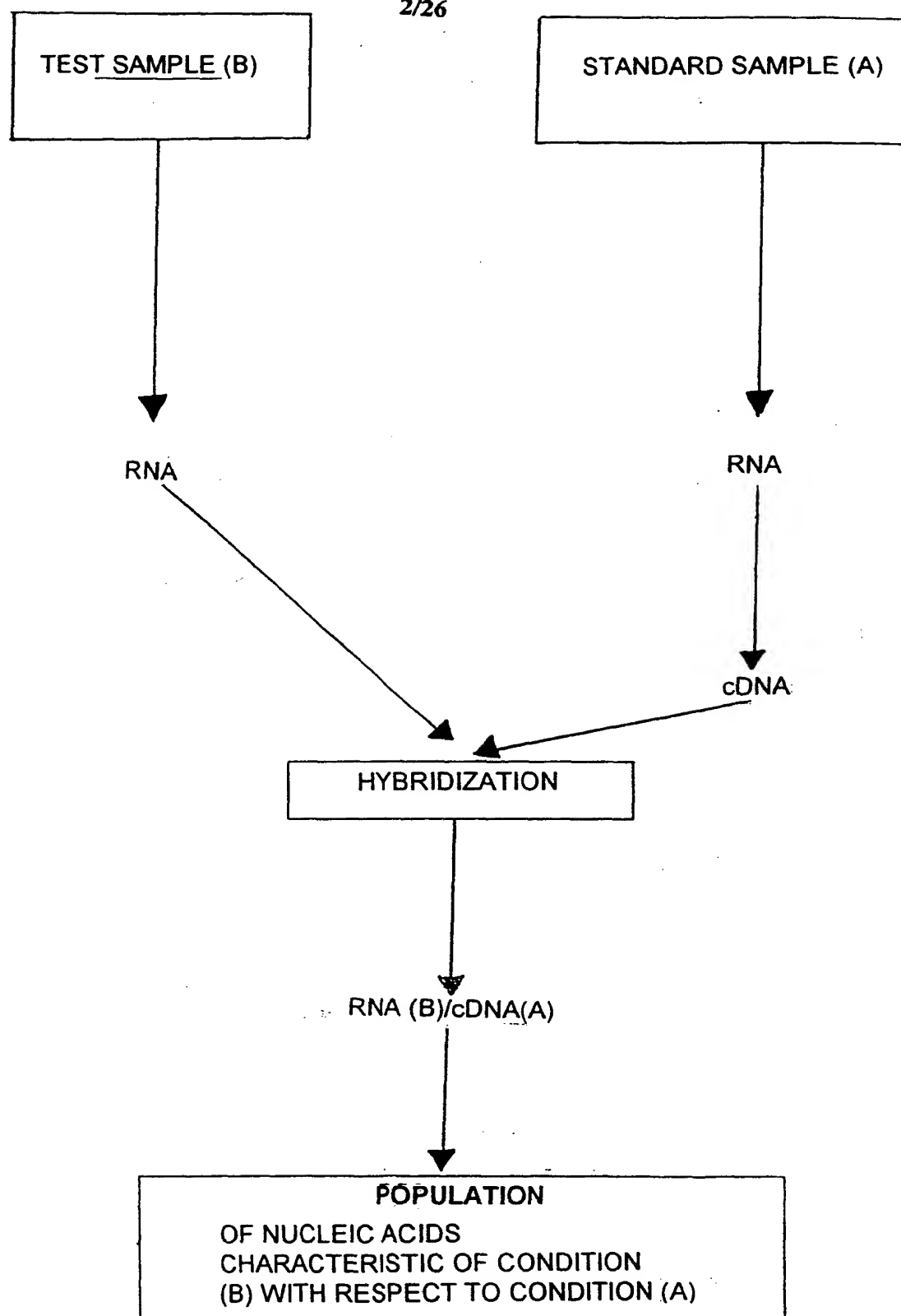
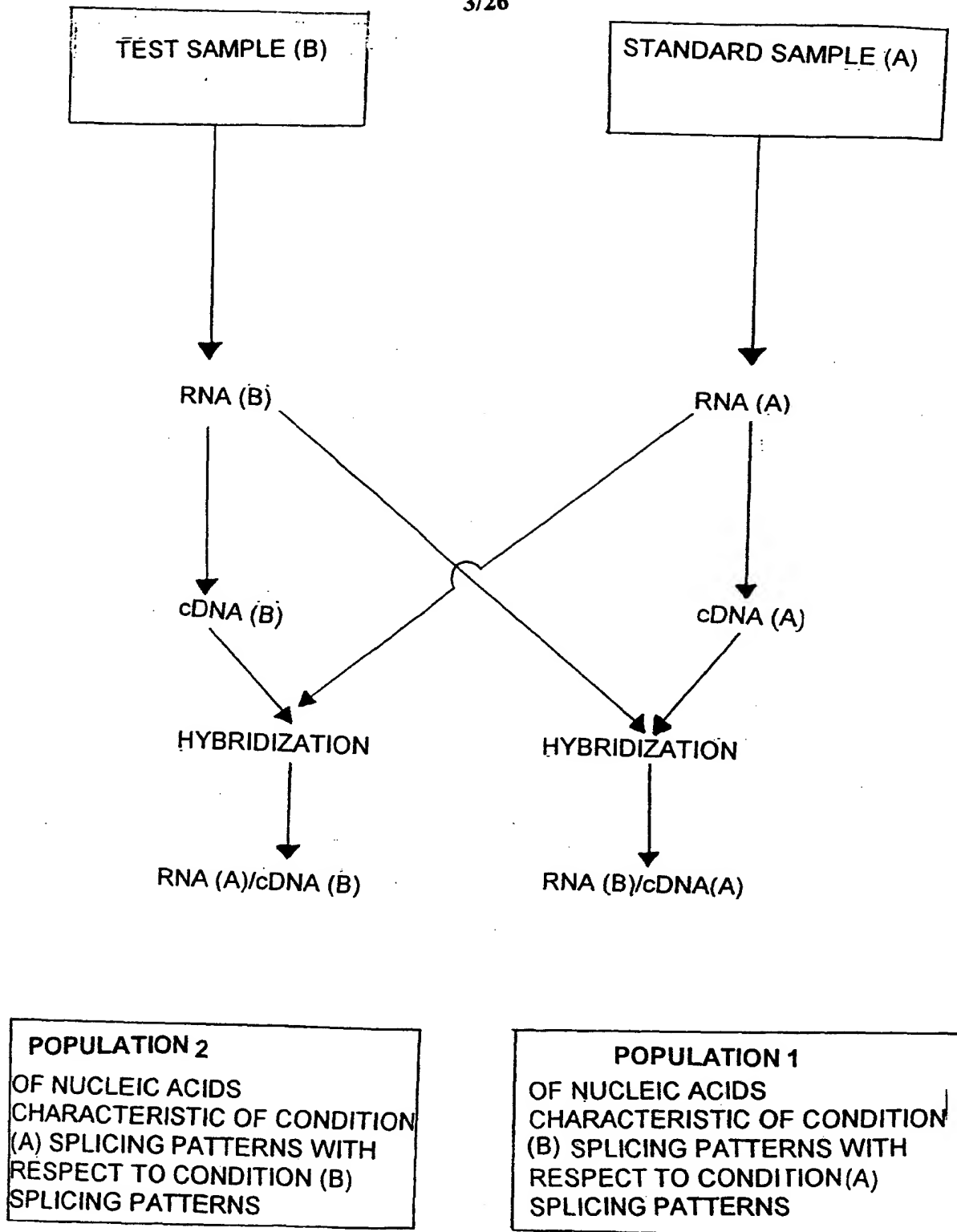
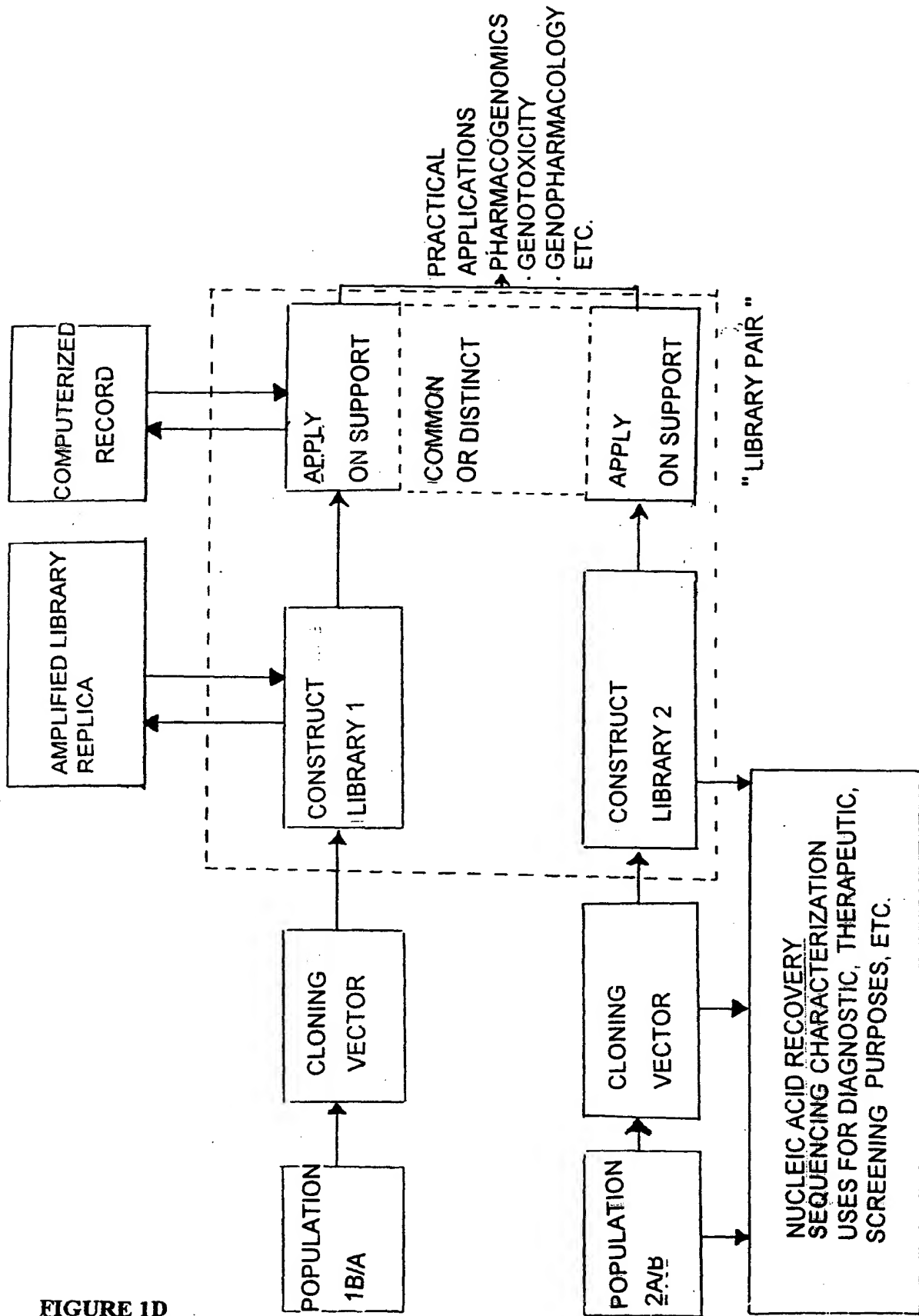
FIGURE 1A

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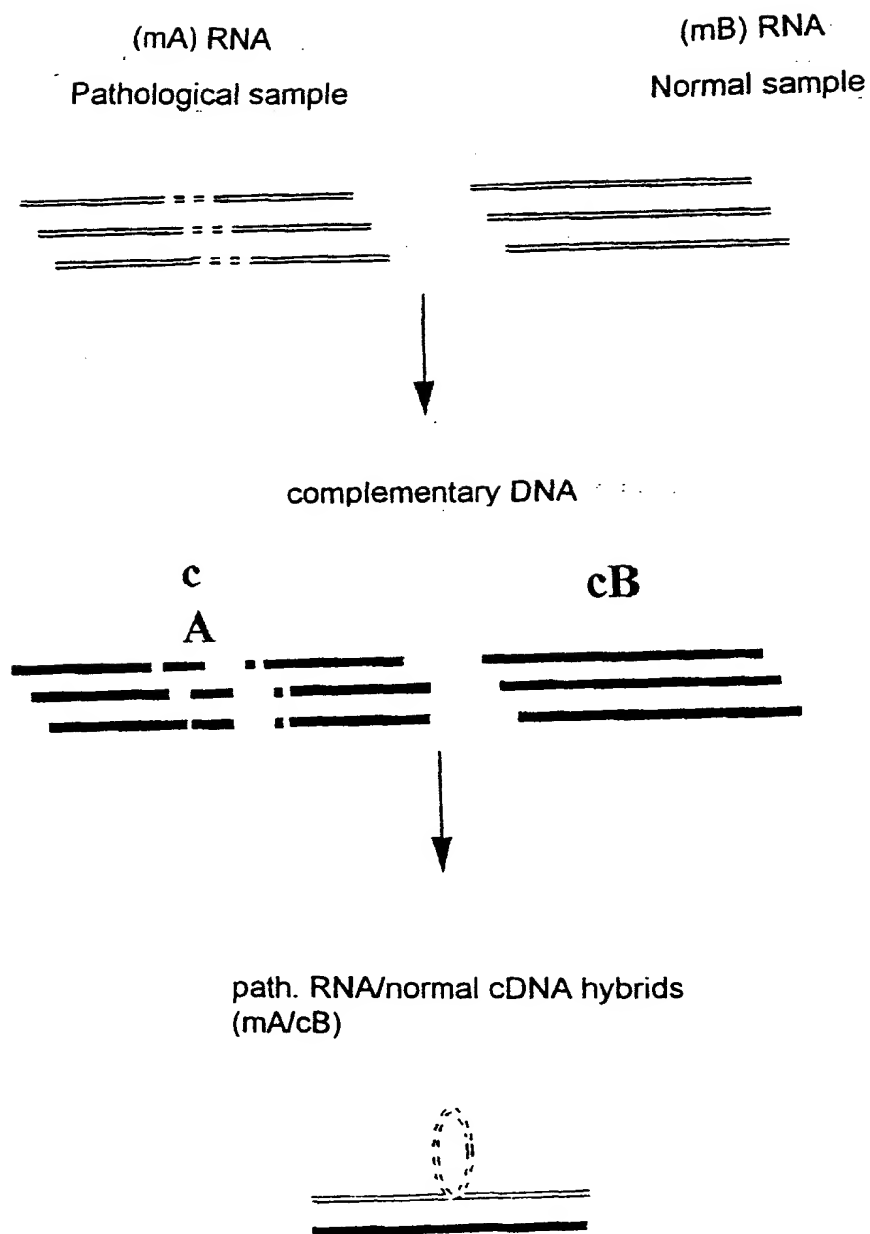
**FIGURE 1B**

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**FIGURE 1C**



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**FIGURE 2**

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path. RNA/normal cDNA hybrids



non spliced sequences after RNase H digestion

=====

desired sequence which is 5'- and 3'-  
labelled by two oligonucleotides

[||||]===== [|||||]



PCR-amplified fragment

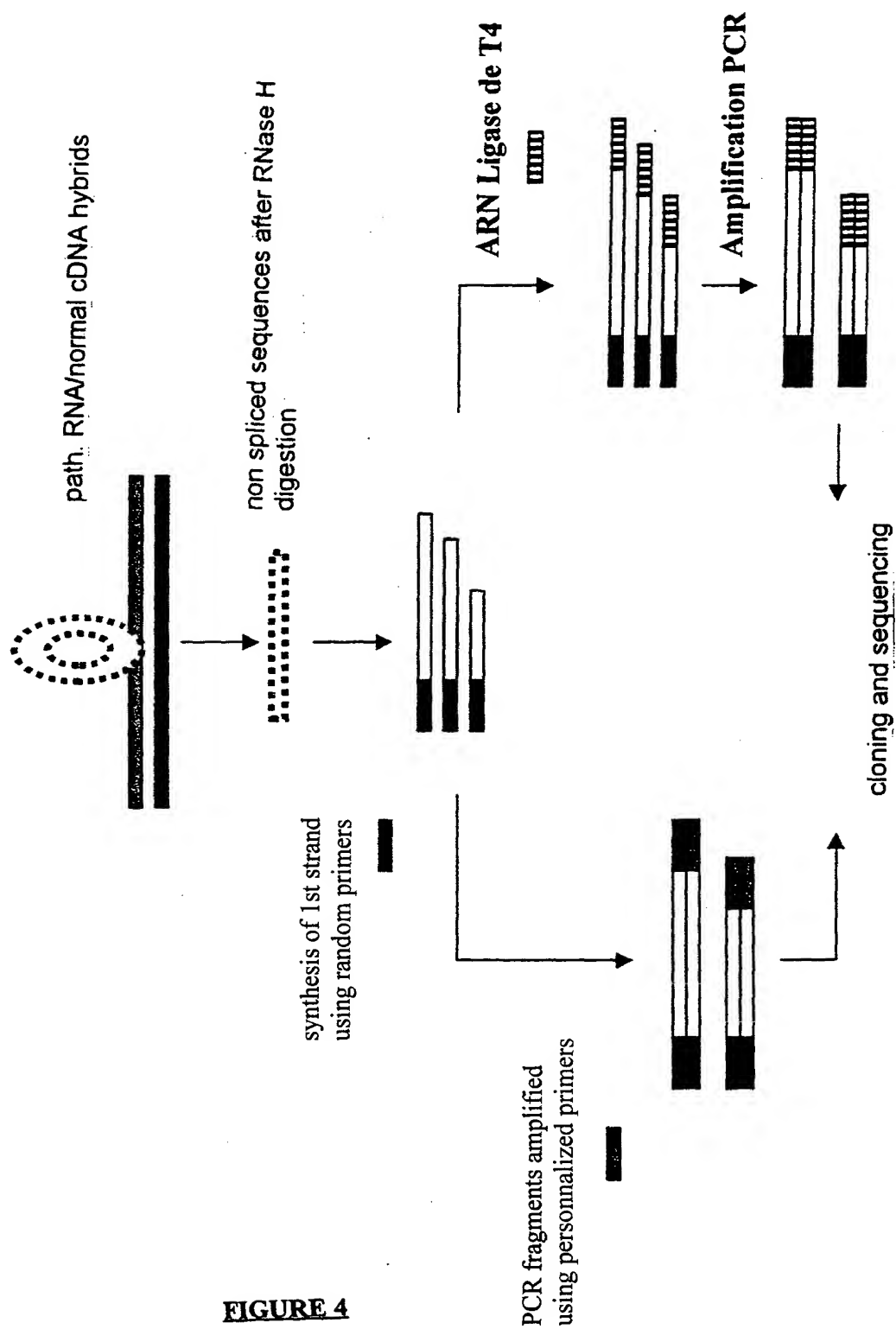
[||||]— [|||||]



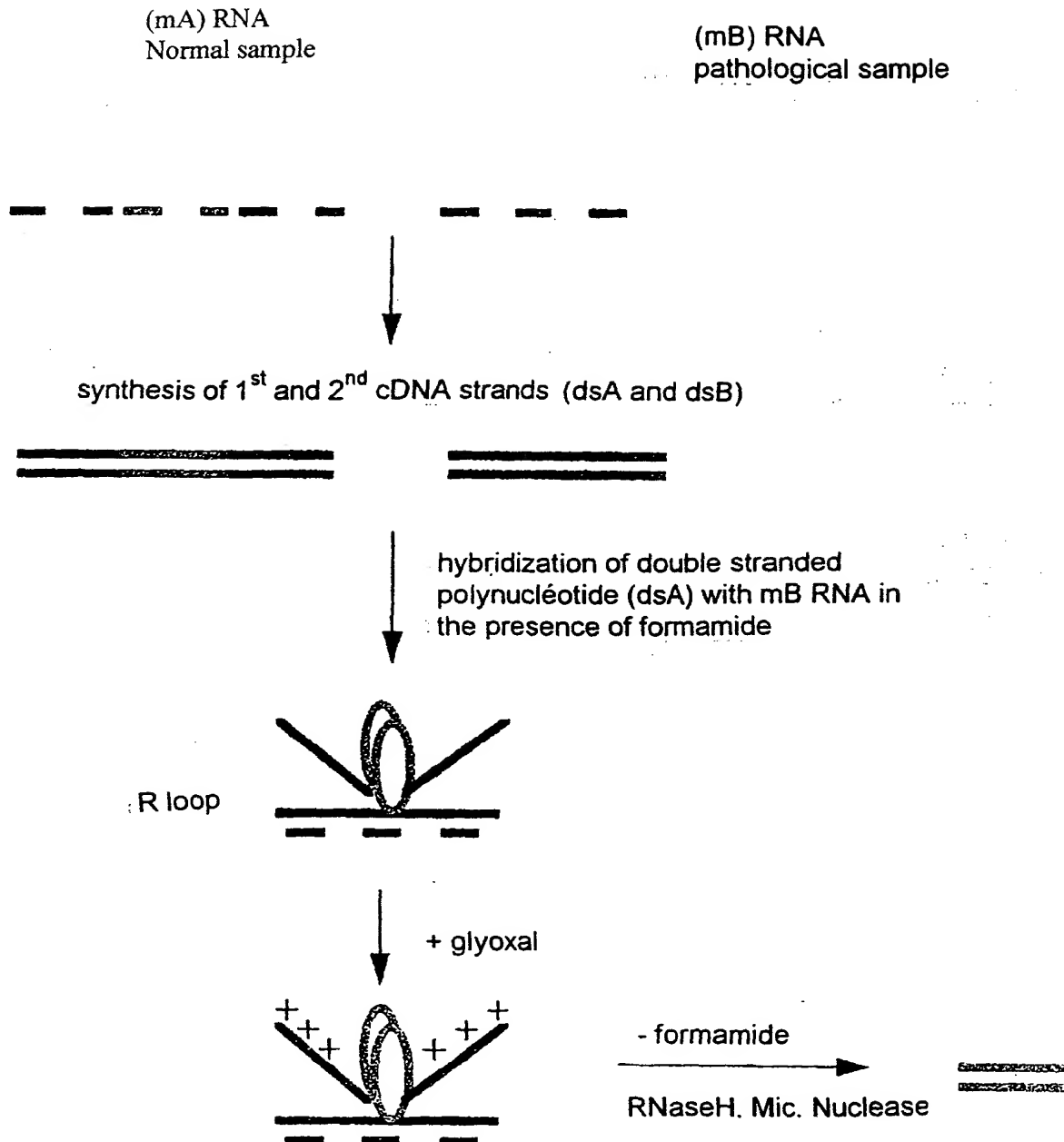
cloning and sequencing

**FIGURE 3**

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**FIGURE 4**

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**FIGURE 5**



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**A**

**B**

Conditions A and B  
of cDNA

mRNA

1st strands of cDNA  
in conditions A and B

2nd strand of cDNA in A

Hybridization of the 2 strands of A  
with the 1st strand of B

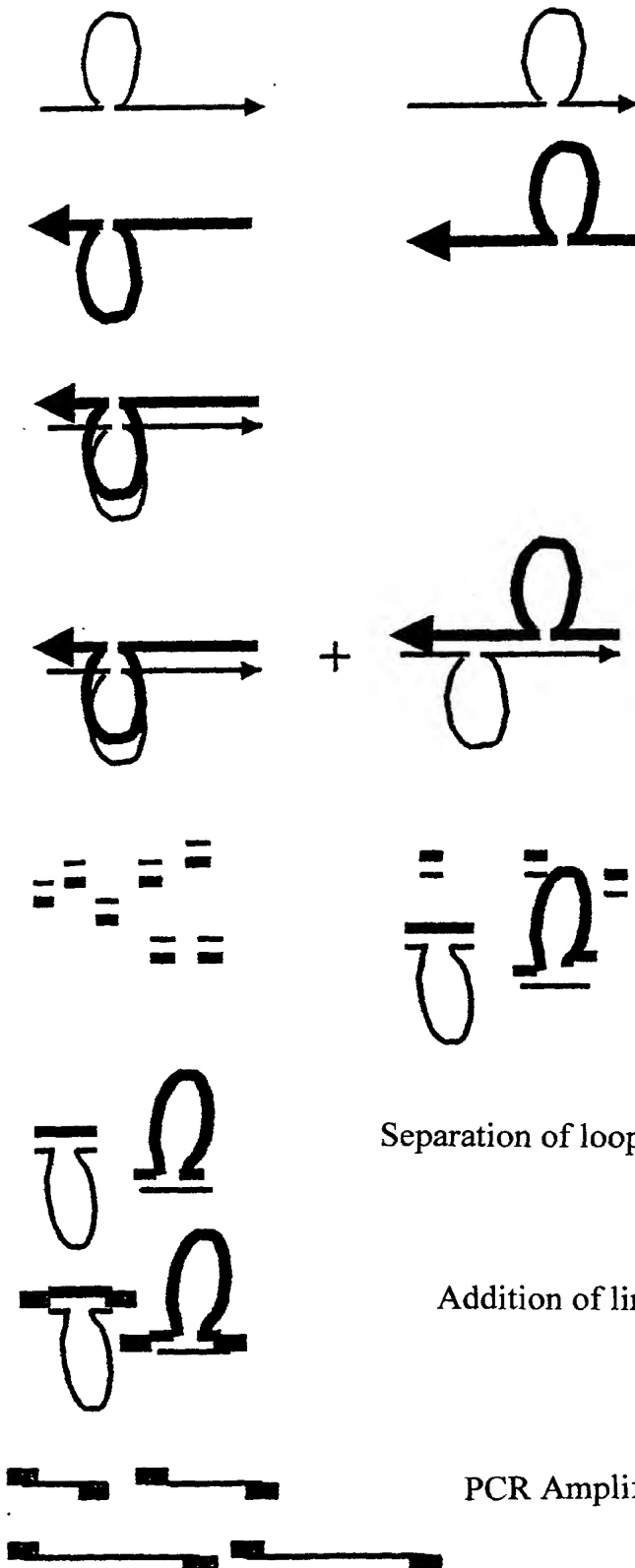
Digestion with Sau3AI

Separation of loops engaged into duplex

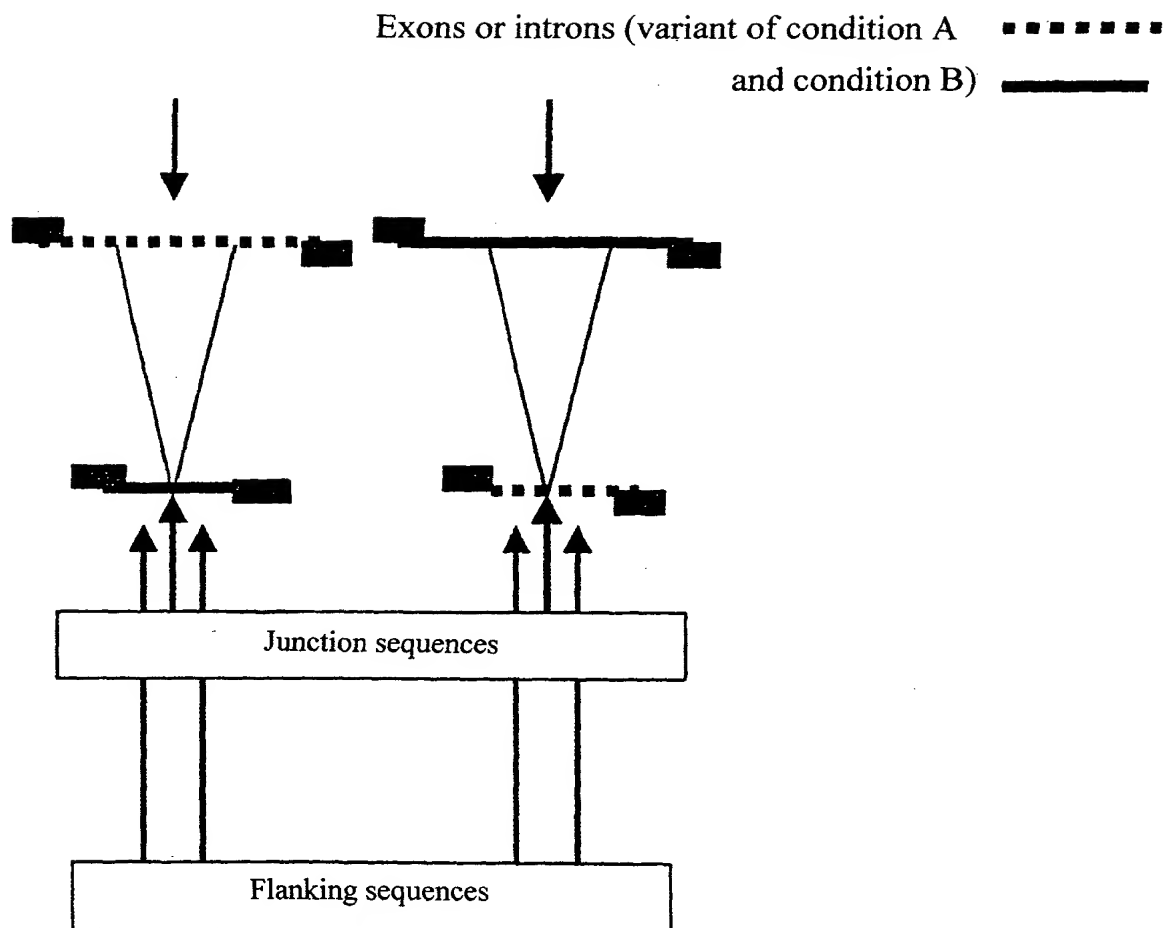
Addition of linkers to the sites Sau3AI

PCR Amplification and cloning

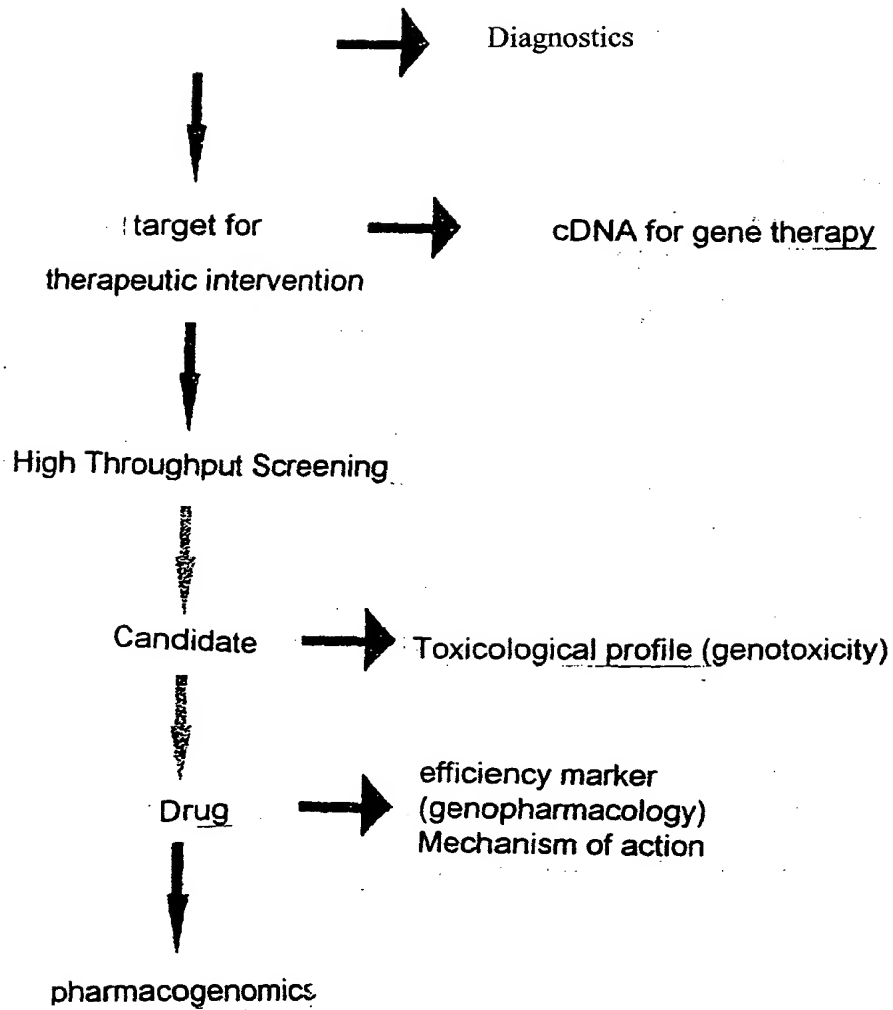
**FIGURE 6A**



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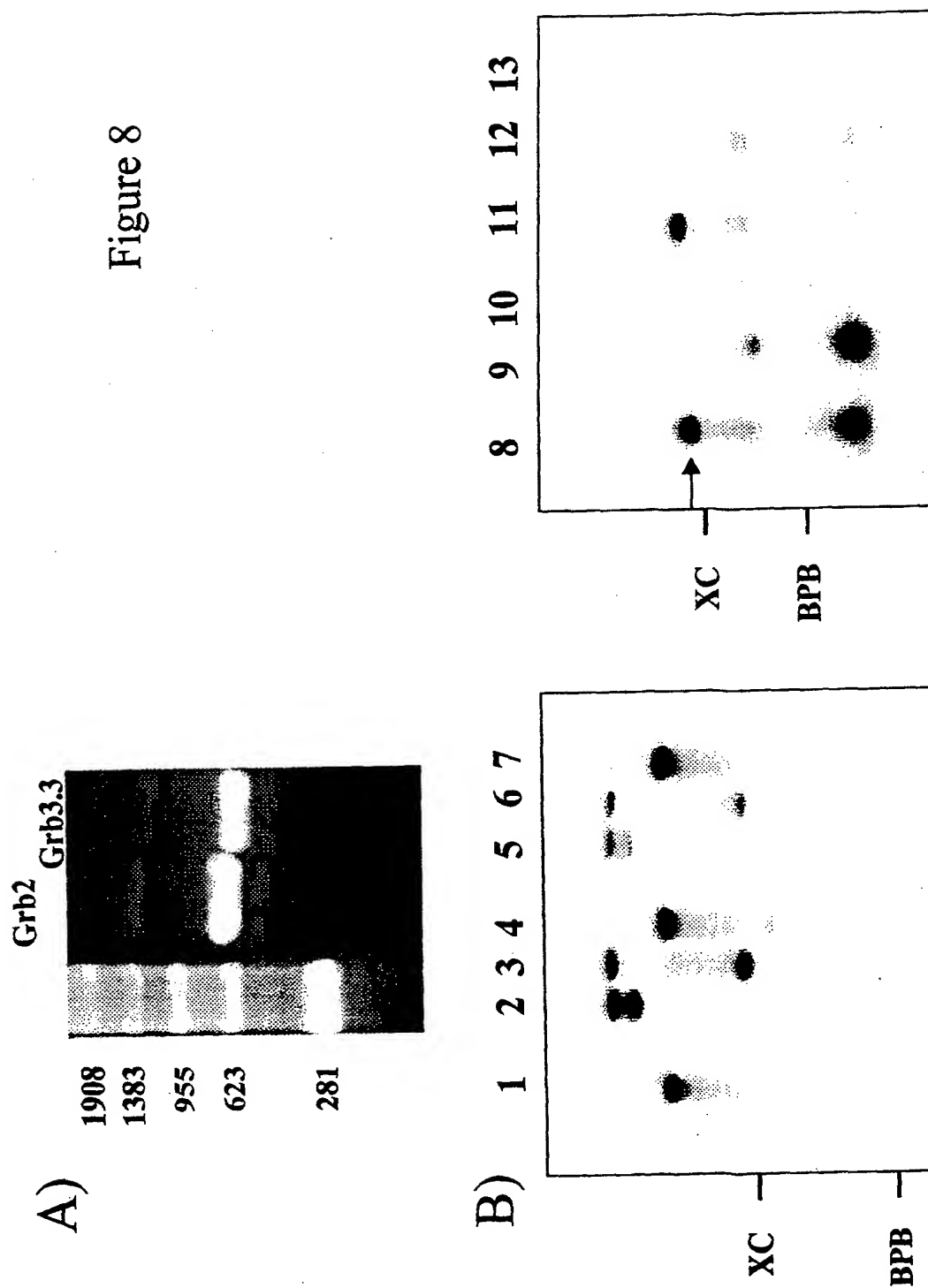
**FIGURE 6B**

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**FIGURE 7**

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Figure 8



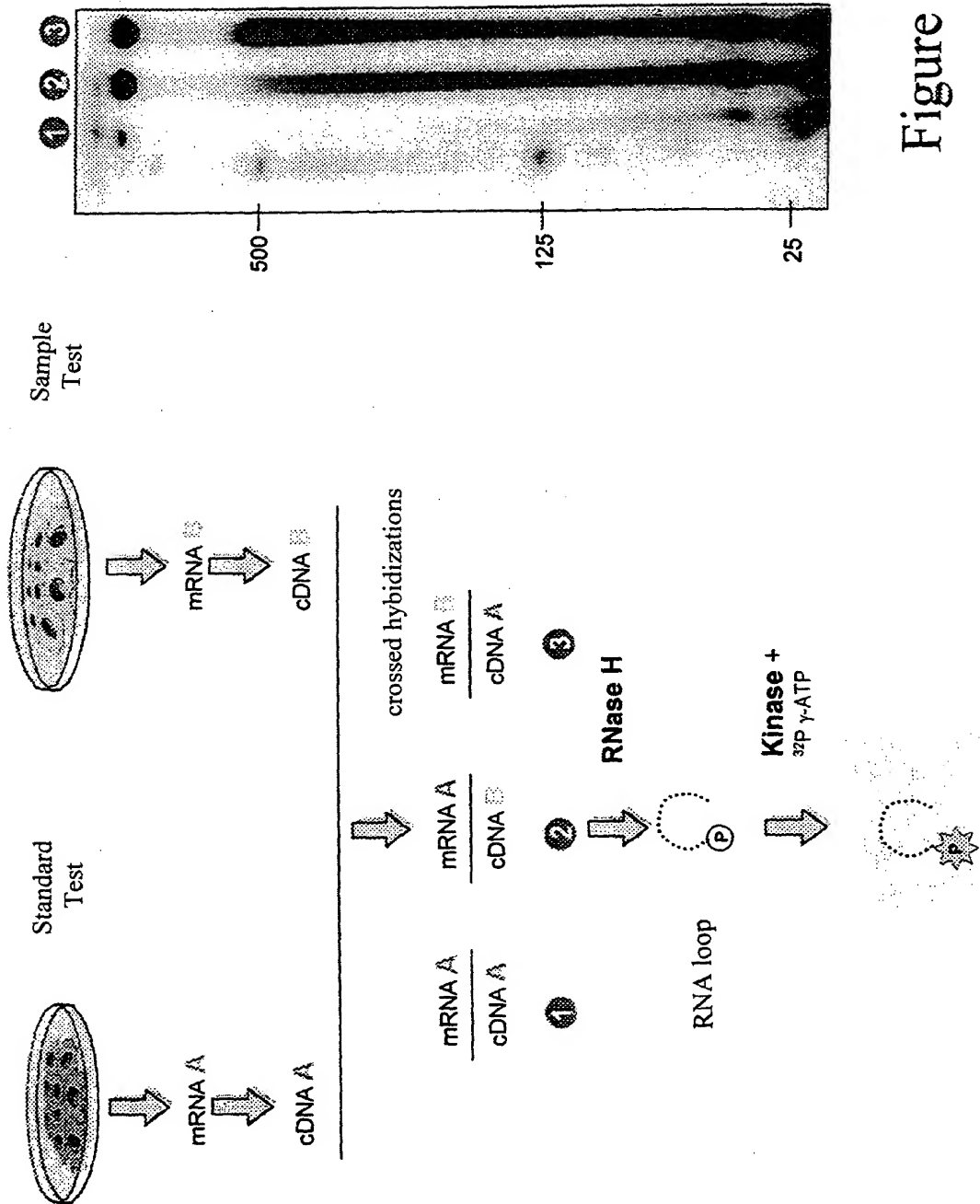


Figure 9

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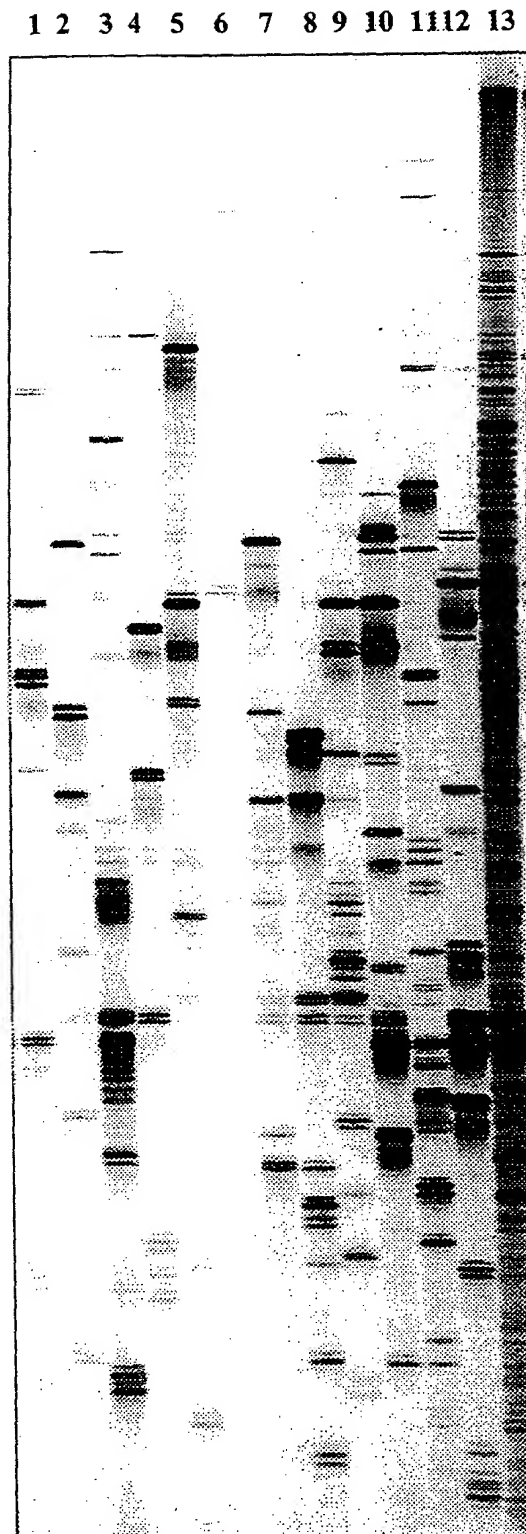
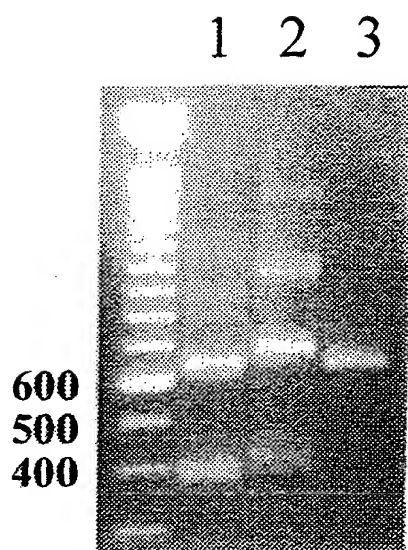


Figure 10

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A)



B)

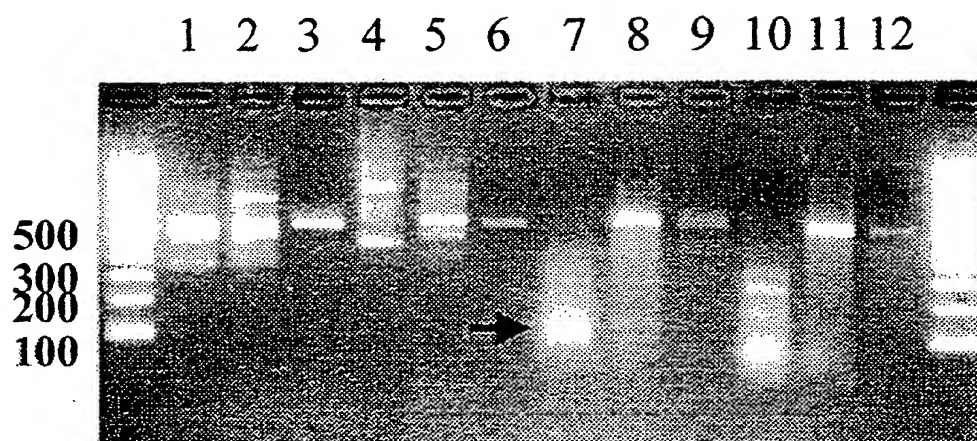


Figure 11

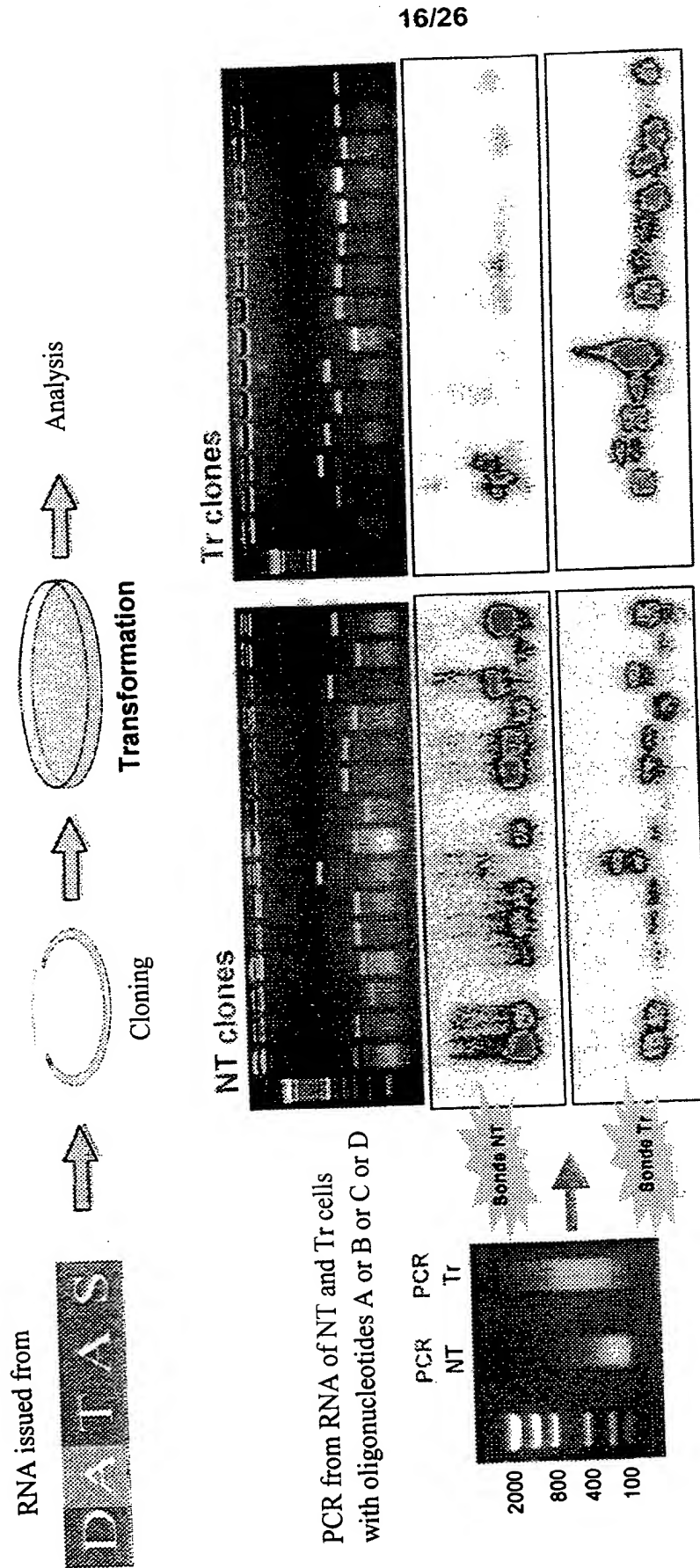
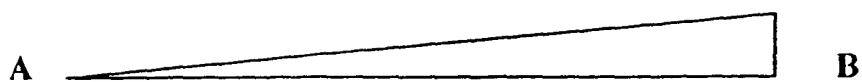


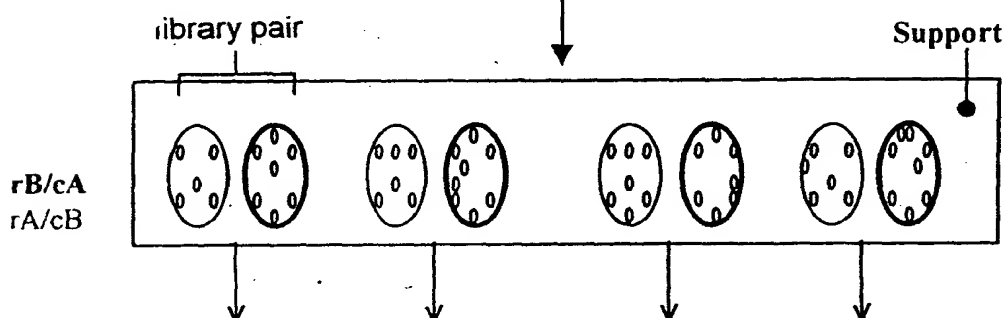
Figure 12



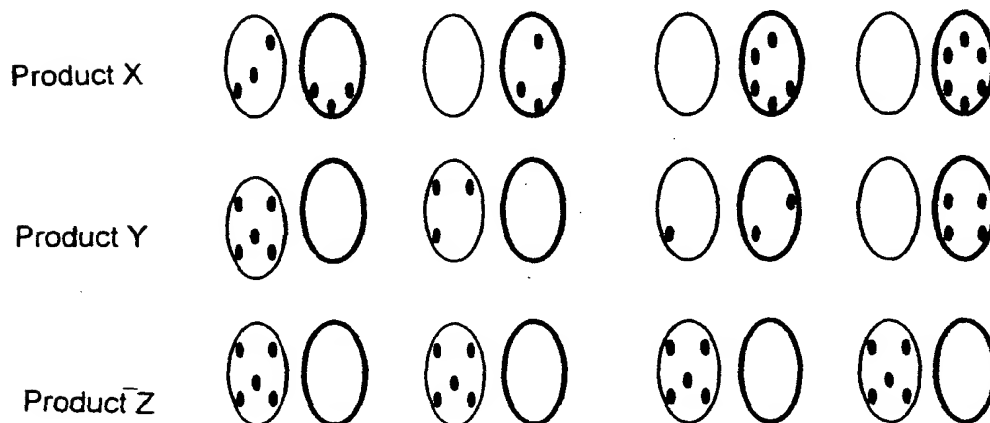
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Construction of qualitative differential libraries corresponding to different dots of toxicity abacus-like charts

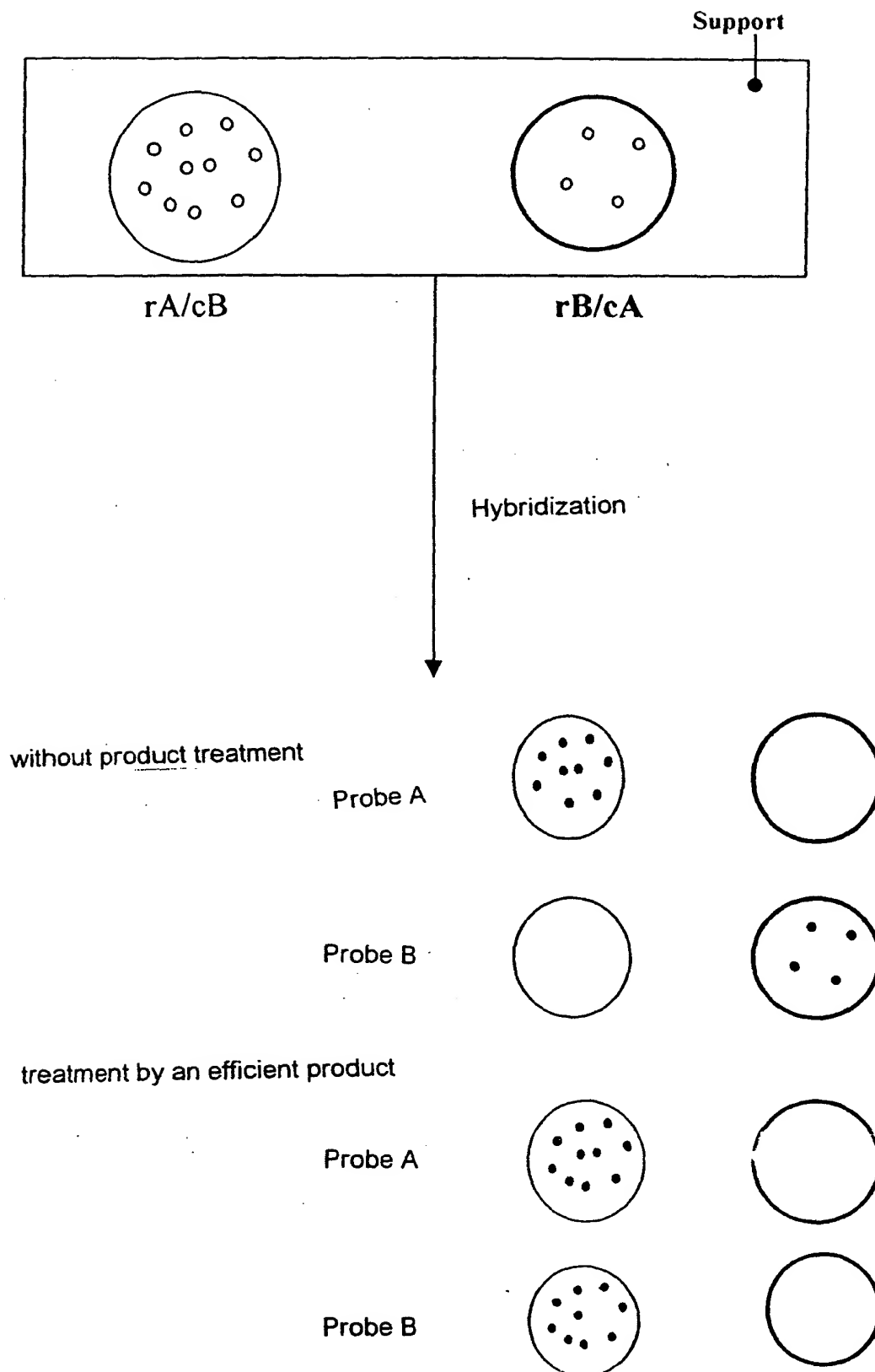


Hybridization with probes derived from the model treated by different products

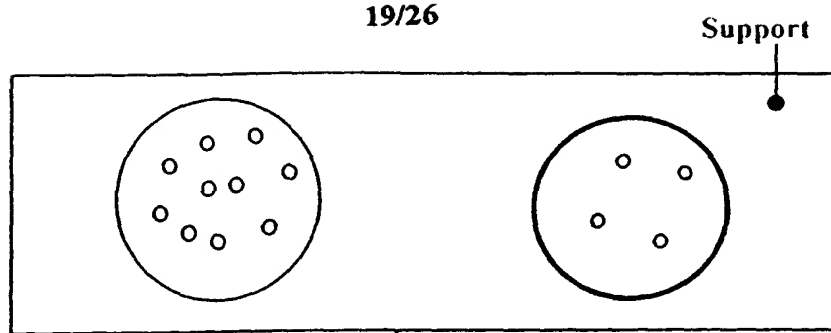


**FIGURE 13**

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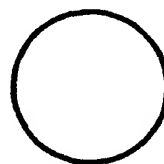
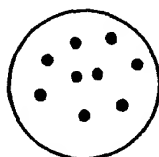
**FIGURE 14**

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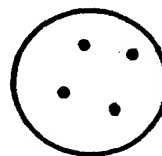
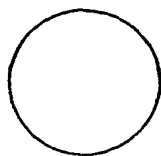
 $rA/cB$  $rB/cA$ 

Hybridization

responder-derived biopsy samples



unresponder-derived biopsy samples

**FIGURE 15**

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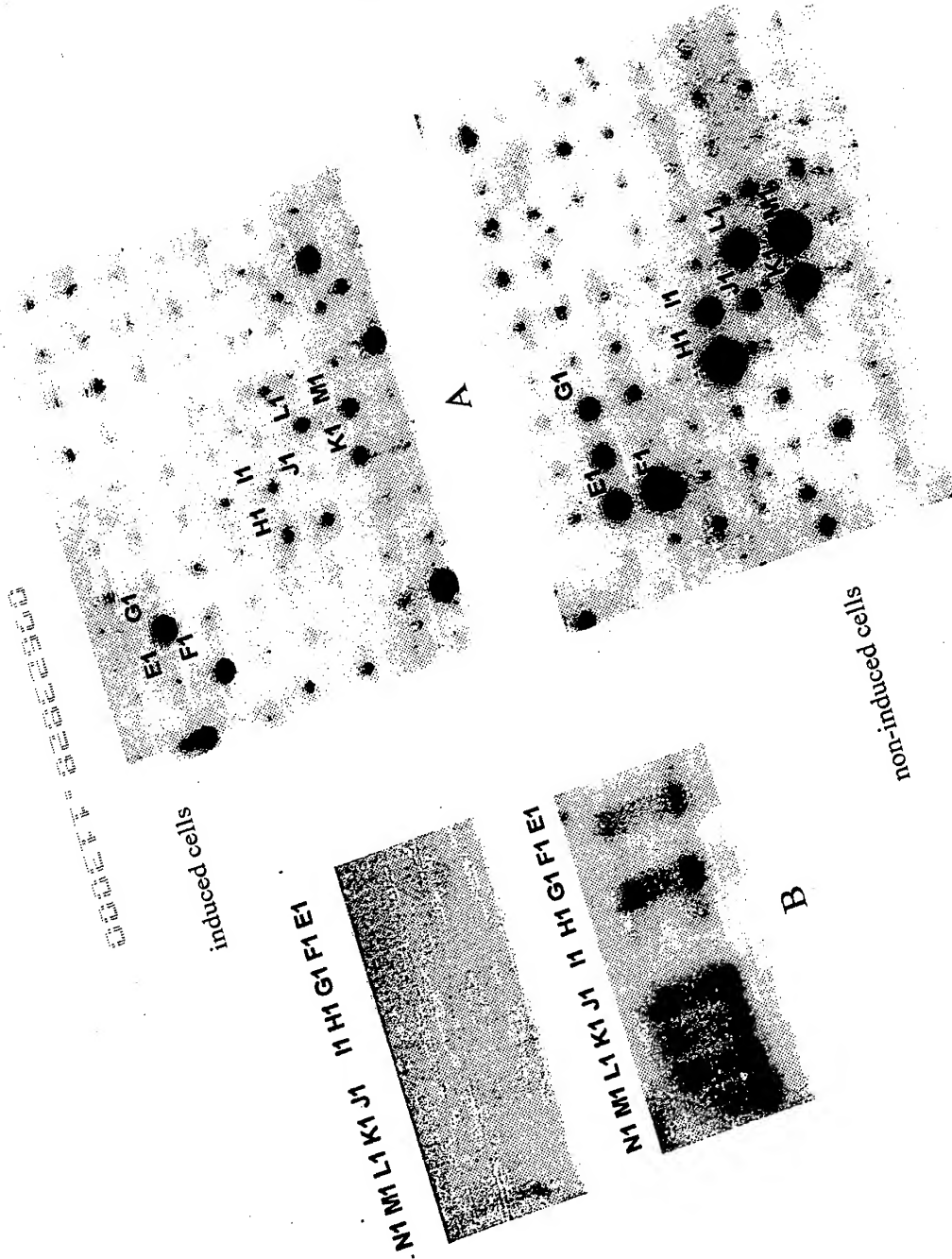


Figure 16

**Peptidic Sequence of  $\Delta$ SHC (SEQ ID NO: 9)**

1  
 MNKLSGGGGR RTRVEGGQLG GEEWTRHGSF VNKPTRGWLH PNDKVMGPGV  
 SYLVRYMGCV EVLQSMRALD FNTRTQVTRE AISLVCEAVP GAKGATRRRK  
 PCSRPLSSIL GRSNLKFAGM PITLTVSTSS LNLMAADCKQ IIANHHMQSI  
 SFASGGDPDT AEYVAYVAKD PVNQ RACHIL ECPEGLAQDV ISTIGQAFEL  
 RFKQYLRNPP KLVTPHDRMA GFDGSAWDEE EEEPPDHQYY NDFPGKEPPL  
 GGVVDMRLRE GAAPGAARPT APNAQTPSHL GATLPVGQPV GGDPEVRKQM  
 PFFFFPCGRE LFDDPSYVNV QNLDKARQAV GGAGPPNPAI NGSAPRDLFD  
 MKPFEDALRV PPPPQSVSMA EQLRGEPWFH GKLSRREA EA LLQLNGDFLV  
 RTKDHRFESV SHLISYHMDN HLP IISAGSE LCLQQPVERKL

441

**Nucleic Sequence of  $\Delta$ SHC (SEQ ID NO: 10)**

atgaacaagc tgagtggagg cggcgggagc aggactcggg tggaaggggg 50  
 ccagcttggg ggcgaggagt ggacccgcca cgggagcttt gtcaataagc 100  
 ccacgcgggg ctggctgcat cccaacgaca aagtcattggg acccgggggtt 150  
 tcctacttgg ttcggtacat gggttgtgtg gaggtcctcc agtcaatgag 200  
 tgccctggac ttcaacaccc ggactcaggc caccaggagg gccatcagtc 250  
 tgggtgtgtga ggctgtgccg ggtgctaagg gggcgacaag gaggagaaag 300  
 ccctgtagcc gcccgctcag ctctatcctg gggaggagta acctgaaatt 350  
 tgctggaatg ccaatcactc tcaccgtctc caccagcagc ctcaacctca 400  
 tggccgcaga ctgcaaacag atcatcgcca accaccacat gcaatctatc 450  
 tcatttgcag ccggcgggga tccggacaca gccgagtatg tcgcctatgt 500  
 tgccaaagac cctgtgaatc agagagcctg ccacattctg gagtgtcccg 550  
 aagggttgc ccaggatgtc atcagcacca ttggccaggc cttcgagttg 600  
 cgcttcaaac aatacctcag gaacccaccc aaactgggtca cccctcatga 650  
 caggatggct ggctttgatg gctcagcatg ggatgaggag gaggaagagc 700  
 cacctgacca tcagtactat aatgacttcc cggggaagga accccccttg 750  
 gggggggtgg tagacatgag gcttcgggaa ggagccgctc caggggctgc 800  
 tcgaccact gcacccaatg ccagacccc cagccacttg ggagctacat 850  
 tgctgtagg acagcctgtt gggggagatc cagaagtccg caaacagatg 900

**FIGURE 17A**

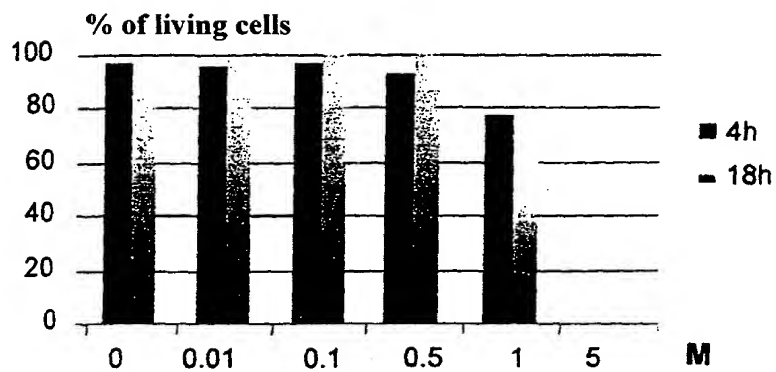
ccacctccac	cacctgtcc	aggcagagag	ctttttgatg	atccctccta	950
tgtcaacgtc	cagaacctag	acaaggcccg	gcaagcagtg	ggtggtgctg	1000
ggccccccaa	tctgtctatc	aatggcagtg	caccccggga	cctgtttgac	1050
atgaagccct	tgaagatgc	tcttcgggtg	cctccacctc	cccagtcggt	1100
gtccatggct	gagcagctcc	gaggggagcc	ctggttccat	gggaagctga	1150
gccggcggga	ggctgaggca	ctgctgcagc	tcaatgggga	cttcttggtt	1200
cggactaagg	atcacgcgtt	tgaaagtgtc	agtcacctta	tcagctacca	1250
catggacaat	cacttgccca	tcctctctgc	gggcagcgaa	ctgtgtctac	1300
agcaacctgt	ggagcggaaa	ctgtga			1326

**FIGURE 17B**

[illegible]

## Trypan Blue

## HepG2 / Ethanol



## MTT Test

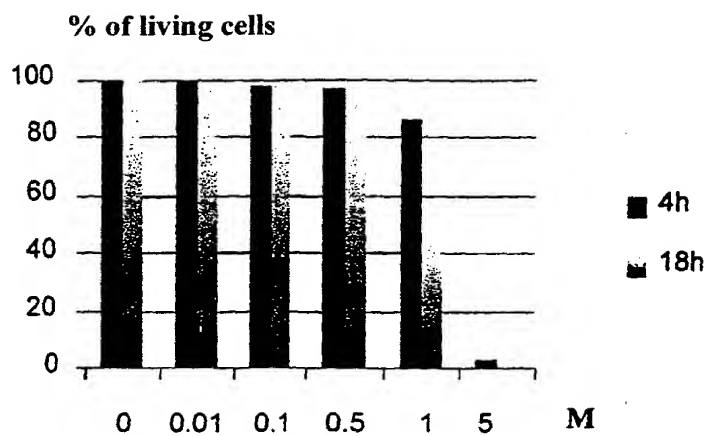
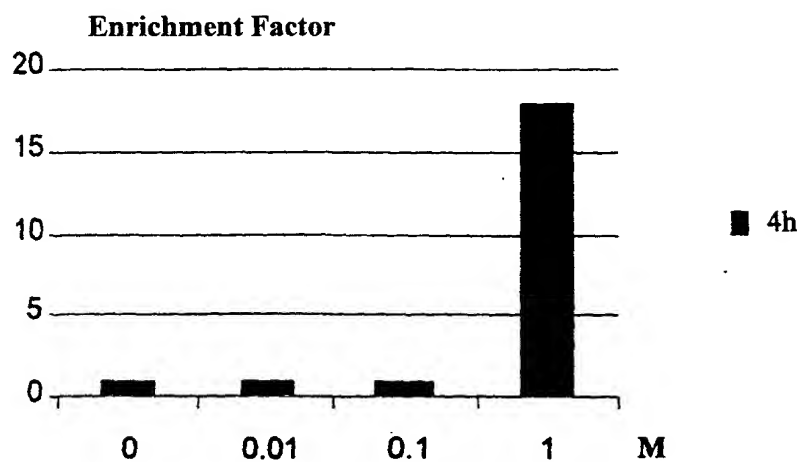


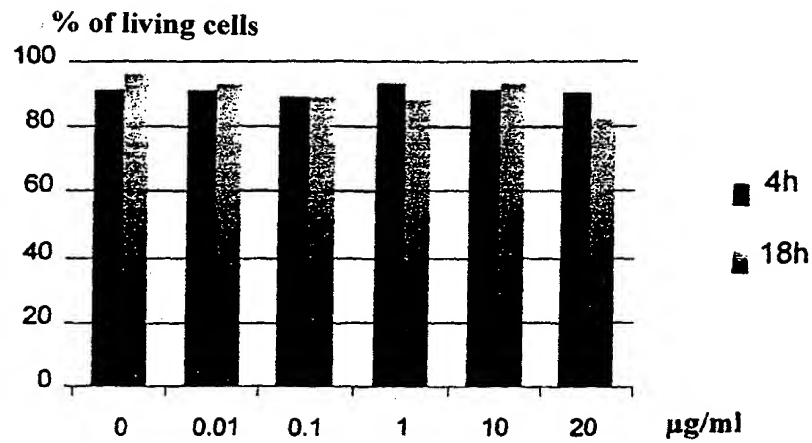
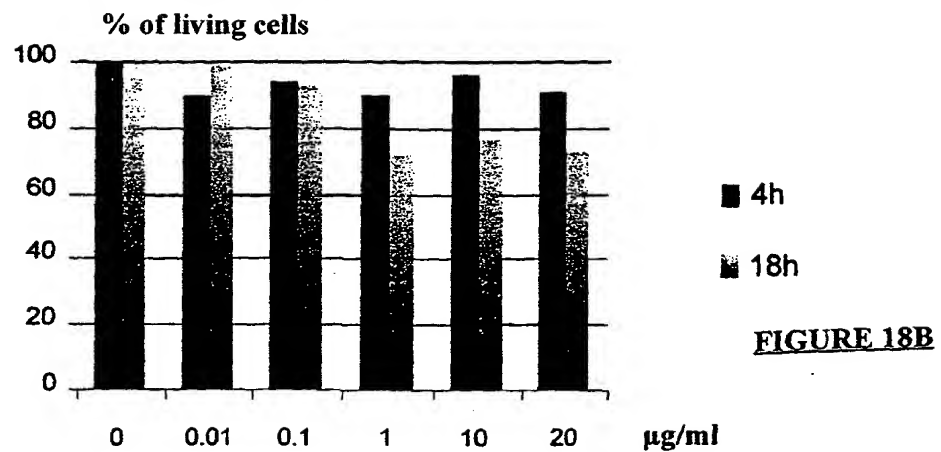
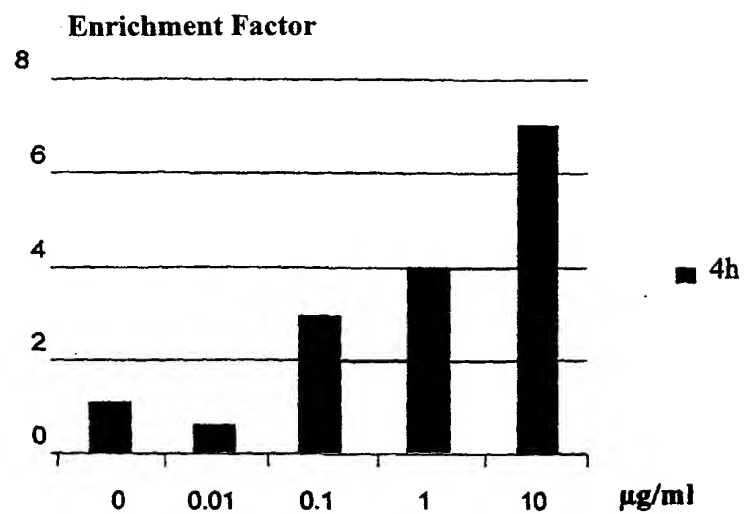
FIGURE 18A

## ELISA Test - Fragmentation of DNA



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# HepG2 / Camptothecin

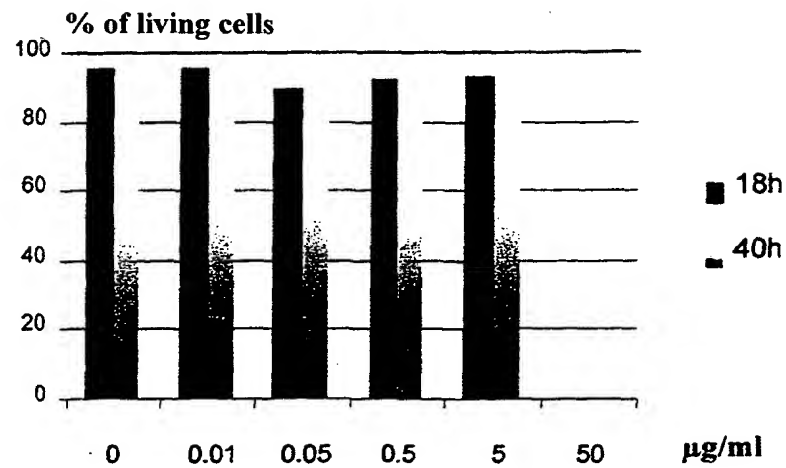
**Trypan Blue****MTT Test****FIGURE 18B****ELISA Test - Fragmentation of DNA**



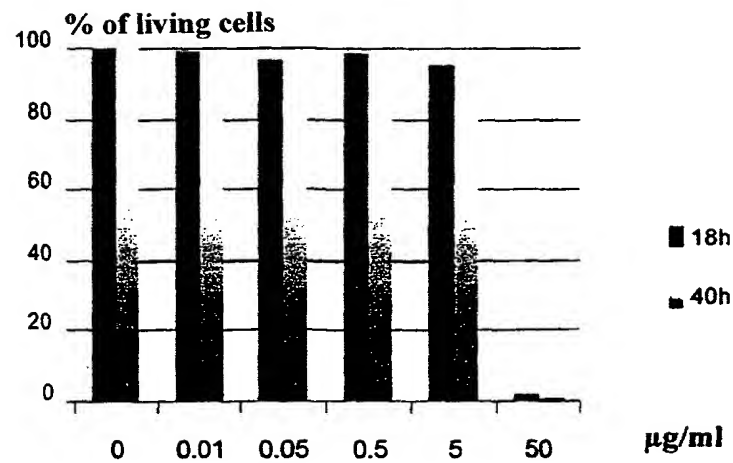
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## HepG2 / PMA

Trypan Blue



Test MTT



ELISA Test - Fragmentation of DNA

FIGURE 18C

